

## LR734045

High Density Polyethylene

Blow Molding Grade

Melt Index: 0.38 Density: 0.953

**Applications**

*Petrothene* LR734045 is a high density polyethylene resin that exhibits good stiffness and environmental stress crack resistance. This product contains stearate as a core rod release for the injection-blow molding process. Typical applications include bottles for household chemicals, food products, and personal care products

**Regulatory Status**

LR734045 meets the requirements of the Food and Drug Administration regulation 21 CFR 177.1520. This regulation allows the use of this olefin polymer in "...articles or components of articles intended for use in contact with food..." Specific limitations or conditions of use may apply. Contact your Equistar sales representative for more information about the use of specific products for specific applications.

**Processing Techniques**

Specific recommendations for processing LR734045 can only be made when the processing conditions, equipment and end use are known. For further suggestions, please contact your Equistar sales representative.

**Typical Properties**

Property	Nominal Value	Units	ASTM Test Method
Melt Index	0.38	g/10 min	D 1238
Density	0.953	g/cc	D 1505
Tensile Strength @ Yield	4,000	psi	D 638
Elongation @ Break	>500	%	D 638
Flexural Modulus	176,000	psi	D 790
Tensile Impact	131	ft-lb/in.	D 1822
Low Temperature Brittleness, F <sub>50</sub>	<-76	°C	D 746
Heat Deflection Temperature @ 66 psi	75	°C	D 648
Vicat Softening Point	127	°C	D 1525
Hardness, Shore D	67		D 2240
Environmental Stress Crack Resistance, F <sub>50</sub>	25	hrs	D 1693 <sup>1</sup>
	>500	hrs	D 2561

<sup>1</sup> 100% Igepal® CO-630, 50°C

® Igepal is a registered trademark of Rhône-Poulenc Co., Inc.

LyondellBasell markets this product through the following entities:

Equistar Chemicals, LP  
 Basell Sales & Marketing Company B.V.  
 Basell Asia Pacific Limited  
 Basell International Trading FZE  
 LyondellBasell Australia Pty Ltd

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**Before using a product sold by one of the LyondellBasell family of companies, users should make their own independent determination that the product is suitable for the intended use and can be used safely and legally. SELLER MAKES NO WARRANTY; EXPRESS OR IMPLIED (INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE) OTHER THAN AS SEPARATELY AGREED BETWEEN THE PARTIES IN WRITING. This product(s) may not be used in the manufacture of any US FDA Class III Medical Device or Health Canada Class IV Medical Device and may not be used in the manufacture of any US FDA Class II Medical Device or Health Canada Class II or Class III Medical Device without the prior written approval by Seller of each specific product or application.**

**Users should review the applicable Material Safety Data Sheet before handling the product.**

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**Plastics Color Corporation**

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## **NC 1175C WHITE**

**BASE RESIN:** LDPE/LLDPE COMBINATION

**MELT INDEX:** 4 - 12gms/10mins.....ASTM-D-1238 (E)

**DENSITY:** .916 - .926gms/cm<sup>3</sup>.....ASTM D-1505

**CONCENTRATE:**

**MELT INDEX:** 4 - 8gms/10mins.....ASTM D 1238 (E)

**BULK DENSITY:** 45 - 51lbs/cu.ft.....ASTM D-1895-67 (B)

**PERCENT LOADING:** 51.5% ± 2% (Formulated)

**U.V. STABILIZER:** None Added

**MOISTURE ANALYSIS:** .5% Maximum.....Elec. Moisture Analyzer

**F.D.A STATUS:** ACCEPTABLE FOR FOOD CONTACT APPLICATIONS

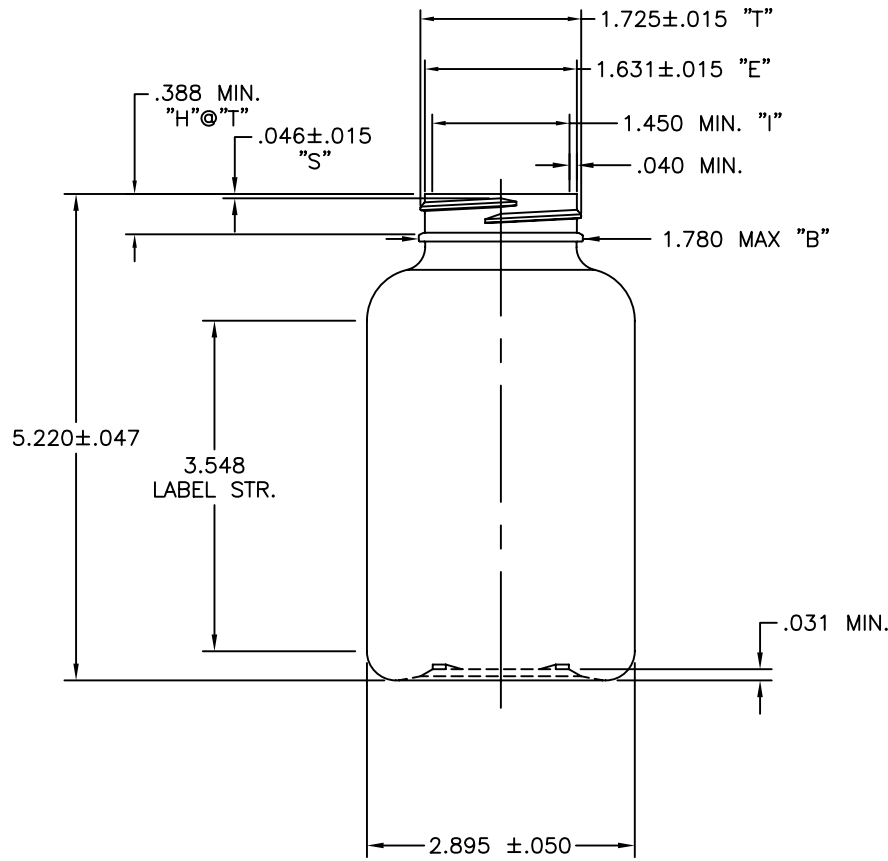
**PELLET SPECIFICATION:** 1/8 Strand or Underwater Cut Pellet

**PROCESSING:** This material is considered to be thermally stable in the normal and customary processing range of 350° - 450° F. Extended polymer and concentrate residence time in the process equipment may require that process temperature profiles be reviewed and/or adjusted to insure a proper and suitable product.

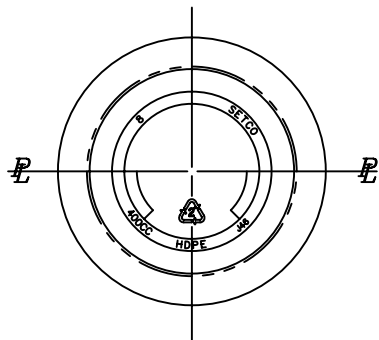
Date: January 29, 2014

**PLASTICS COLOR CORPORATION OF NORTH CAROLINA**


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"T" AND "E" DIMENSIONS ARE THE AVERAGE OF TWO MEASUREMENTS TAKEN ACROSS THE MAJOR AND MINOR AXIS. THE LIMITS OF OVALITY ARE .036.



**NOTE!**  
MIN. WALL THICKNESS THRU LABEL PANEL TO BE .020.

REFERENCE	THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION AND MAY NOT BE DISCLOSED TO OTHERS OR USED FOR MANUFACTURING PURPOSES WITHOUT WRITTEN PERMISSION FROM SETCO INCORPORATED.		DESIGNED BY <i>J. Godfrey</i>	DATE 10/08/98	 4875 EAST HUNTER AVENUE, P.O. BOX 68008, ANAHEIM, CA 92817-0808
825088			DRAWN BY <i>SSB</i>	DATE 8.8.06	
D96-37	MATERIAL	HDPE/PP	WEIGHT	32.5 gms. ± 1.5 gms.	
	DIMENSIONS ARE IN INCHES UNLESS SPECIFIED		OVERFLOW CAPACITY	450.0 cc ± 10 cc	
	TOLERANCE UNLESS SPECIFIED		NECK FINISH	M45SP400	
	XXX ± .031	ANGLES ± 1°	FINISH		
	X ±				
EWR 2485	FRAC. ±				
			TITLE		400 CC PACKER
			ENG. NO.	J46	DRAWING NO. D06-046
			SCALE		FULL

Letter	Per	Revision	By	Date

Product Characteristics		MAX	MIN
Taper		0.020	
Concavity		0.012	
Out of round		0.061	
Perpendicularity		0.020	
Wall Thickness	Panel		0.020
	Heel		0.012
Wall Variation		0.016	
Slant		na	

\*REFER TO DRAWING

Performance Characteristics		MAX	MIN
Top Load			na
Crush		na	
Drop Impact			4 foot
Vacuum Resistance			na

SPECIAL REQUIREMENTS:

PRODUCT CODES: ALL CODES RUNNING TO THIS DRAWING.

APPROVALS		DATE	REFERENCE	ORIGINATOR	Setco	Product Specification	
QUALITY ASSURANCE	<i>Roguel Gan</i>	01/30/08		B.GUTEKUNST	Description:	400cc packer	Rev.
PLANT MANAGER	<i>Frank W...</i>	01/30/08		DATE	Spec. Sheet #	SS06-046	
ENGINEERING	<i>Ben...</i>	1-30-08		10.25.06	Eng. #	J46	Dwg. # D06-046

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